A Look At Specific Vulnerabilities

MANPADS –

- Many Need 15 Degree Super-Elevation
- Acquisition Through Narrow Field of View, must Lock-On Target
- Limited Battery Life
- Limited, but improving Night Sight Capability
- Most Effective When Cued from Early Warning
- Range: 6 Km with Well-Trained Crew, Clear Target ID

CREW-SERVED WEAPONS –

- Depends On Early Warning
- Engagement requires LOS
- Limited Range

NGIC 7719 UNCLASSIFIED

SELF-PROPELLED SYSTEM WITH ON-BOARD ACQUISITION

- Thin-Skinned
- Radar/Optical Acquisition, low Prob of Detection,
- Radar Gives Position Away
- Most Effective When Cued by Early Warning
- 2500-4000 Meter Range (guns) 8-10 km w/SAM

INTERMEDIATE SAM SYSTEM – SA-9/SA-13

- SA-13: IR Seeker, Has Range-Only Radar, Will Light Up
- SA-19: IR Seeker, possible laser

ANTI-HELICOPTER MINES – UNDER REVIEW

- Range: 200 meters effective range (RS)
- Acoustic Sensor: Can Detect Within 1000 Meters (Weather/Terrain Dependent)